



# Spacecraft Thermal Control Handbook, Volume I: Fundamental Technologies

*David G. Gilmore, The Aerospace Corporation D. Gilmore*

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This new edition of the classic Satellite Thermal Control Handbook, is a thorough, technical survey of the various technologies used to achieve thermal control of all types of spacecraft, as well as the design and analysis methods used by thermal engineers. Features: Spacecraft Systems Overview; Spacecraft Thermal Environments; Thermal Design Examples; Thermal Surface Finishes; Insulation; Radiators; Heaters; Mounting and Interfaces; Louvers; Heat Switches; Phase Change Materials; Pumped Fluid Loops; Thermoelectric Coolers; Heat Pipes; Thermal Design Analysis; Thermal Contact Resistance; Precision Temperature Control; Space Shuttle Integration; Thermal Testing; Future Technologies

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